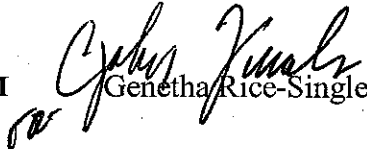


ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 752900-, DeKalb County **OFFICE** Preconstruction  
STP00-9014-00(024)  
SR 155 @ Shoal Creek/Replace Culvert; **DATE** May 12, 2008  
Add Turn Lanes and Remove Pedestrian Bridge

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN**

Attached is the approved Location and Design Report for the above subject project.

Also attached is the Notice of Location and Design Approval. This is the Authorization for the District to proceed with advertisement

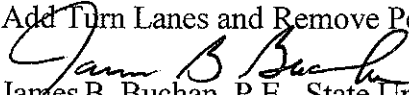
Attachment

**DISTRIBUTION:**

Brian Summers  
Harvey Keepler  
Ken Thompson  
Michael Henry  
Keith Golden  
Angela Alexander  
Paul Liles  
Ben Buchan  
Bryant Poole  
BOARD MEMBER

4

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**  
**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE** STP00-9014-00(024), DeKalb County  
P.I. No. 752900-  
SR 155 @ Shoal Creek/Replace Culvert;  
Add Turn Lanes and Remove Pedestrian Bridge  
  
**FROM** James B. Buchan, P.E., State Urban Design Engineer

**OFFICE** Urban Design

**DATE** April 30, 2008

**TO** Genetha Rice-Singleton, Assistant Preconstruction Director

**SUBJECT** Request for Location and Design Approval

The proposed project would replace the existing box culvert and wooden pedestrian bridge on SR 155/Candler Road at Shoal Creek with a larger concrete box culvert and add turn lanes on SR 155 at the intersections of Midway Road and Driftwood Terrace. Both intersections are approximately 50 feet north and south of the approaches to Shoal Creek, respectively. The work would include construction of curb and gutter and sidewalks along both sides of the roadway, and installation of a stop-and-go traffic signal at the intersection of Midway Road. Traffic will be maintained during construction by use of an on-site detour. The project would begin on SR 155 just south of the intersection with Park Drive and end at the intersection of Buchanan Terrace, and approximate length of 0.26 miles. The project is located 100% within the 4<sup>th</sup> U.S. Congressional District of the State of Georgia, DeKalb County Land District 15, Land Lot 214, and Georgia Militia District 531.

**Concept Approval Date:** May 08, 2000

**Concept Update**

- Proposed features to be revised:

The features to be revised are the speed design and project length.

1. The design speed is 45 MPH.
2. The limits of the project are from milepost 12.05 to milepost 12.22 for a distance of 0.17 mile.
3. The culvert size is triple 7' x 7'.

▪ Describe the revised feature(s) to be approved:

1. The project SR 155 at Shoal Creek is located in a historic district and residential area. The design for the project is based on the criteria to meet 35 MPH (current posted speed limit) which does not meet GDOT requirements. Right of way for this project has been approved, "No-Rise" Certification has been completed, and the design is 99% complete. To meet the 45 MPH design speed the roadway profile, culvert design, right of way and hydraulic study would need to be redone. In addition, the 45 MPH design speed would not complement the theme of the area, and reduce vehicular speeds.
2. The revised project limits are from milepost 11.96 to milepost 12.22 for a distance of 0.26 miles
3. Due to the new requirements of the US Army Corps of Engineers of 20% embedment and a single span culvert; the culvert size has been change to triple 7' x 9'.

**Environmental Assessment and Reassessment Approval Date:** November 30, 2007

**Public Involvement:**

- Hearing Result
  - A PHOH was held on August 22, 2006 at the Decatur High School.
  - 67 people attended, a total of 23 comments were received.
  - 8 supported the project; 8 were uncommitted; 2 were opposed.
- Public Information Meeting
  - A PIOH was held November 14, 2001.

**Consistency with Approved Planning:**

The design description as presented herein and submitted for approval is consistent with TIP.

**Recommendations:** Urban Design recommends that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMENDED:

  
Director of Preconstruction

APPROVED:

  
Chief Engineer

5/10/08  
Date

JBB:NA

**Attachments:**

- 1 Notice of Location and Design Approval
- 2 Location Map
- 3 Cost Estimate
- 4 ROW Estimate
- 5 Construction Layout Plan Sheets

## NOTICE OF LOCATION AND DESIGN APPROVAL

**STP00-9014-00(024), DeKalb County**

**P.I. No. 752900**

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

Date of Location and Design Approval: MAY 12, 2008

The proposed project would replace the existing box culvert and wooden pedestrian bridge on SR 155/Candler Road at Shoal Creek with a larger concrete box culvert and add turn lanes on SR 155 at the intersections of Midway Road and Driftwood Terrace. Both intersections are approximately 50 feet north and south of the approaches to Shoal Creek, respectively. The work would include construction of curb and gutter and sidewalks along both sides of the roadway, and installation of a stop-and-go traffic signal at the intersection of Midway Road. Traffic will be maintained during construction by use of an on-site detour. The project would begin on SR 155 just south of the intersection with Park Drive and end at the intersection of Buchanan Terrace, and approximate length of 0.26 miles. The project is located 100% within the 4<sup>th</sup> U.S. Congressional District of the State of Georgia, DeKalb County Land District 15, Land Lot 214, and Georgia Militia District 531.

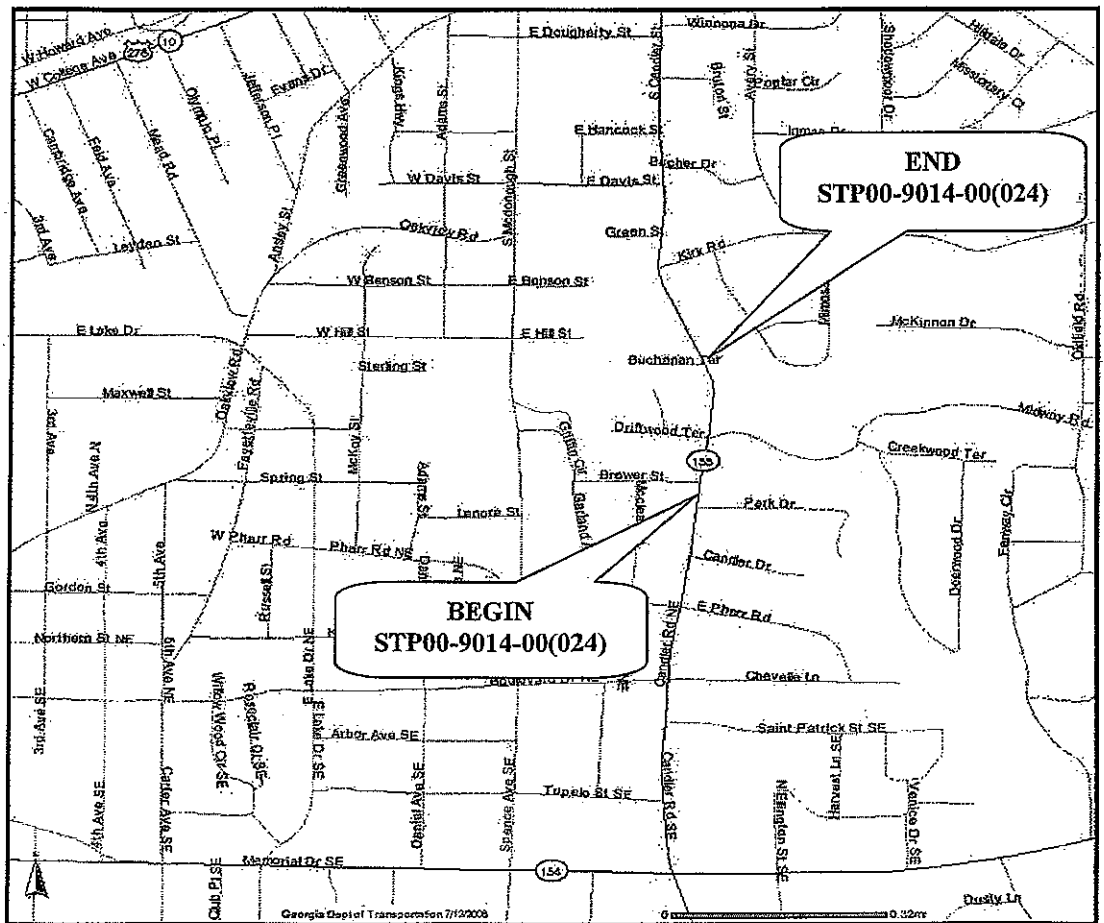
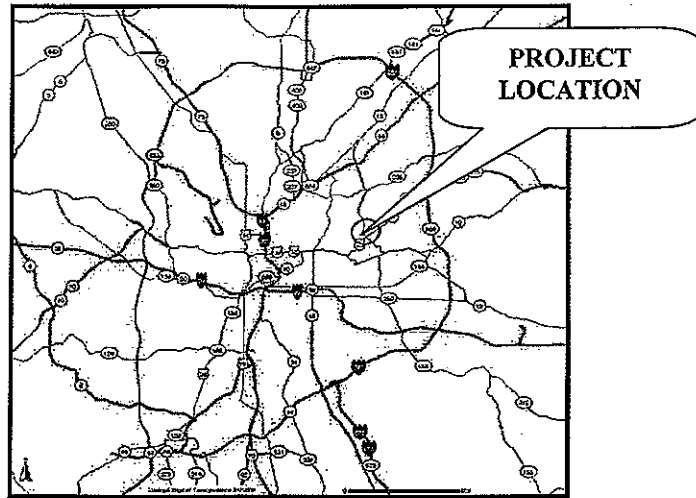
Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

**Thomas Parker, District 7, Area 1 Engineer**  
**Department of Transportation**  
**805 George Luther Drive**  
**Decatur, GA 30032**  
**(404) 299-4386**  
**tparker@dot.ga.gov**

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

**James B. Buchan, P.E., Office of Urban Design**  
**Department of Transportation**  
**No. 2 Capitol Square**  
**Atlanta, GA 30334**  
**(404) 656-5436**  
**bbuchan@dot.ga.gov**

Any written request or communication in reference to this project or notice SHOULD include the Project and P.I. Numbers as noted at the top of this notice.



LOCATION MAP  
PROJECT No.: STP00-9014-00(024)  
DEKALB COUNT

# Estimate Report for file "STP00-9014-00(024)- SR 155\_2008-02-14"

Section ROADWAY QUANTITIES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	22156.00	TRAFFIC CONTROL - STP00-9014-00(024)	22156.00
153-1300	1	EA	73569.88	FIELD ENGINEERS OFFICE TP 3	73569.88
210-0100	1	LS	200000.00	GRADING COMPLETE - STP00-9014-0(0024)	200000.00
310-1101	1404	TN	24.80	GR AGGR BASE CRS, INCL MATL	34819.20
402-3113	379	TN	74.24	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	28136.96
402-3121	571	TN	72.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	41112.00
402-3190	504	TN	74.96	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	37779.84
413-1000	262	GL	2.60	BITUM TACK COAT	681.20
432-5010	2638	SY	6.82	MILL ASPH CONC PVMT, VARIABLE DEPTH	17991.16
441-0016	532	SY	43.42	DRIVEWAY CONCRETE, 6 IN TK	23099.44
441-0104	1481	SY	49.36	CONC SIDEWALK, 4 IN	73102.16
441-4020	321	SY	45.00	CONC VALLEY GUTTER, 6 IN	14445.00
441-5002	497	LF	21.49	CONCRETE HEADER CURB, 6 IN, TP 2	10680.53
441-6022	2228	LF	21.01	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	46810.28
515-2020	122	LF	35.40	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	4318.80
620-0100	259	LF	30.45	TEMPORARY BARRIER, METHOD NO. 1	7886.55
Section Sub Total:					\$636,589.00

Section CULVERT ITEM					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	171	CY	64.77	FOUND BK FILL MATL, TP II	11075.67
500-3101	318	CY	693.90	CLASS A CONCRETE	220660.20
511-1000	24031	LB	0.99	BAR REINF STEEL	23790.69
Section Sub Total:					\$255,526.56

Section TEMPORARY EROSION CONTROL QUANTITIES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2	AC	676.15	TEMPORARY GRASSING	1352.30
163-0240	25	TN	250.00	MULCH	6250.00
163-0300	2	EA	1750.80	CONSTRUCTION EXIT	3501.60
163-0550	22	EA	282.90	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	6223.80
165-0020	1452	LF	1.43	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	2076.36
165-0030	254	LF	1.46	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	370.84
165-0101	2	EA	607.78	MAINTENANCE OF CONSTRUCTION EXIT	1215.56
165-0105	22	EA	106.78	MAINTENANCE OF INLET SEDIMENT TRAP	2349.16
167-1000	2	EA	1323.90	WATER QUALITY MONITORING AND SAMPLING	2647.80
167-1500	18	MO	1181.84	WATER QUALITY INSPECTIONS	21273.12
171-0020	2903	LF	2.84	TEMPORARY SILT FENCE, TYPE B	8244.52
171-0030	508	LF	3.91	TEMPORARY SILT FENCE, TYPE C	1986.28
457-1010	28	SY	7.36	GEOGRID REINFORCEMENT, TP B	206.08
643-8200	1016	LF	3.97	BARRIER FENCE (ORANGE), 4 FT	4033.52
Section Sub Total:					\$61,730.94

Section PERMANENT EROSION CONTROL QUANTITIES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	331	SY	48.43	STN DUMPED RIP RAP, TP 3, 18 IN	16030.33
700-6910	1	AC	917.26	PERMANENT GRASSING	917.26
700-7000	3	TN	70.32	AGRICULTURAL LIME	210.96
700-7010	3	GL	23.76	LIQUID LIME	71.28
700-8000	1	TN	379.36	FERTILIZER MIXED GRADE	379.36
700-8100	53	LB	3.30	FERTILIZER NITROGEN CONTENT	174.90
716-2000	2801	SY	1.55	EROSION CONTROL MATS, SLOPES	4341.55

Section Sub Total: \$22,125.64

**Section DRAINAGE QUANTITIES**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1180	1946	LF	50.30	STORM DRAIN PIPE, 18 IN, H 1-10	97883.80
550-4118	1	EA	430.83	FLARED END SECTION 18 IN, SIDE DRAIN	430.83
668-1200	22	EA	3694.81	CATCH BASIN, GP 2	81285.82
668-1210	4	LF	338.42	CATCH BASIN, GP 2, ADDL DEPTH	1353.68
Section Sub Total:					<b>\$180,954.13</b>

**Section SIGNING AND MARKING**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
615-1200	148	LF	20.20	DIRECTIONAL BORE - 5 IN	2989.60
615-1200	433	LF	20.20	DIRECTIONAL BORE - 3 IN	8746.60
636-1032	19	SF	20.80	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	395.20
636-1033	58	SF	24.26	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	1407.08
636-2070	105	LF	9.22	GALV STEEL POSTS, TP 7	968.10
639-4004	3	EA	7233.78	STRAIN POLE, TP IV	21701.34
647-1000	1	LS	49171.20	TRAFFIC SIGNAL INSTALLATION NO -	49171.20
652-3501	150	GLM	258.08	SKIP TRAFFIC STRIPE, 5 IN, WHITE	38712.00
653-0120	4	EA	81.63	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	326.52
653-1501	2100	LF	0.83	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	1743.00
653-1502	2100	LF	0.67	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	1407.00
653-1704	72	LF	5.20	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	374.40
653-1804	528	LF	2.15	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	1135.20
653-6006	391	SY	3.54	THERMOPLASTIC TRAF STRIPING, YELLOW	1384.14
654-1001	262	EA	4.47	RAISED PVMT MARKERS TP 1	1171.14
654-1003	3	EA	4.69	RAISED PVMT MARKERS TP 3	14.07
682-6233	581	LF	7.34	CONDUIT, NONMETL, TP 3, 2 IN	4264.54
Section Sub Total:					<b>\$135,911.13</b>

Total Estimated Cost: \$1,292,837.40

Subtotal Construction Cost \$1,292,837.40

E&amp;C Rate 10.0 % \$129,283.74

Inflation Rate 0 % @ 0 Years \$0.00

Total Construction Cost \$1,422,121.14

Right Of Way ~~\$230,000.00~~

ReImb. Utilities \$230,000.00

Grand Total Project Cost \$2,530,121.14

E@5% = 64,641.87  
 CONT@12% = 162,897.51

TOTAL CONST COST = \$1,520,376.78

R/W - AUTH  
 REIM UTL - 230,000

ADD  
 5/1/2008

# **DETAIL COST ESTIMATE SUMMARY SHEET**

DATE: January 28, 2008 P.I. #: 752900  
 PROJECT: STP-9014(24) COUNTY: DeKalb PARCELS: 1-7,7A, 8-17  
 PROJECT DESCRIPTION: S.R. 155/ S. Candler Street at Shoal Creek / Replace Culvert and Remove Pedestrian Bridges

**1. LAND: (Total area and cost by category)**

Right of Way:	\$ 147,353.63	
Permanent and Temporary Easement:	\$ <u>111,094.73</u>	
<b>Total</b>		<b>\$ <u>258,448.37</u></b>

**2. IMPROVEMENTS:**

Main Structures	\$ 0	
Site Improvements	\$ <u>14,635.00</u>	
<b>Total</b>		<b>\$ <u>14,635.00</u></b>

**3. Damages:**

Damages to Land and Structures	\$ 125,000	
Specialty Costs (Cost to Cures, Trade Fixtures, etc.)	\$ <u>6,500</u>	
<b>Total</b>		<b>\$ <u>131,500.00</u></b>

**4. RELOCATION: (Including Consequential Displacements)**

Businesses (# Displaced x \$15,000):	\$ 0	
Residential Tenant: (# Displaced x \$20,000):	\$ 0	
Residential Owner (# Displaced x \$40,000):	\$ 0	
<b>Total</b>		<b>\$ 0</b>

**5. Property Management (Asbestos Removal and Demolition)**

Number of Structures <u>0</u> x \$25,000/structure	\$0	
Number of sites with UST's <u>0</u> x \$50,000	\$ 0	
Number of signs (not billboards) <u>0</u> x \$1,500	\$0	
<b>Total</b>		<b>\$0</b>

<b>Estimated Cost of Right of Way</b>	<b>\$ <u>404,583.37</u></b>
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C/O, Condemnation Increase & Legal Cost (50% of R/W)	\$ 202,291.69
Service Fees and Appraisal Cost(# Par x \$7,500)	\$ 135,000.00
Condemnation Cost (# Par x 15% x \$7,500)	\$ 20,250.00
Incidentals (# Par x \$2,000)	\$ <u>36,000.00</u>

<b>Net Cost</b>	<b>\$ <u>798,125.06</u></b>
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Market Appreciation (5% rural, 10% urban)	\$ <u>79,812.51</u>
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<b>TOTAL COST</b>	<b>\$ <u>877,937.57</u></b>
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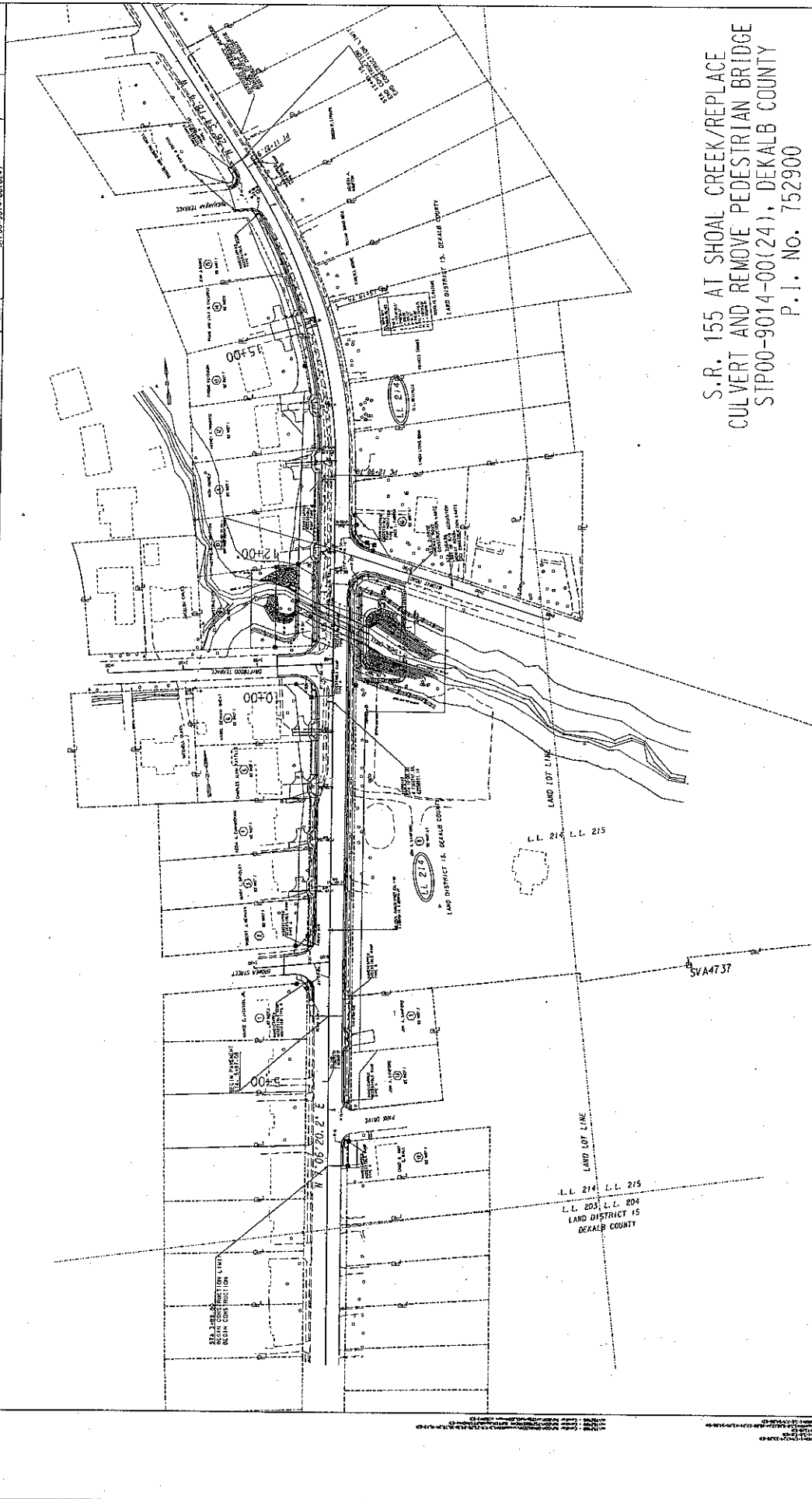
<b>TOTAL COST (ROUNDED)</b>	<b>\$ <u>878,000.00</u></b>
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<u>Credits:</u>	<u># Hours</u>
Felicia Pennyman	80

Cc:  
 Attachment(s): Project Location Map; Comparable Sales Data

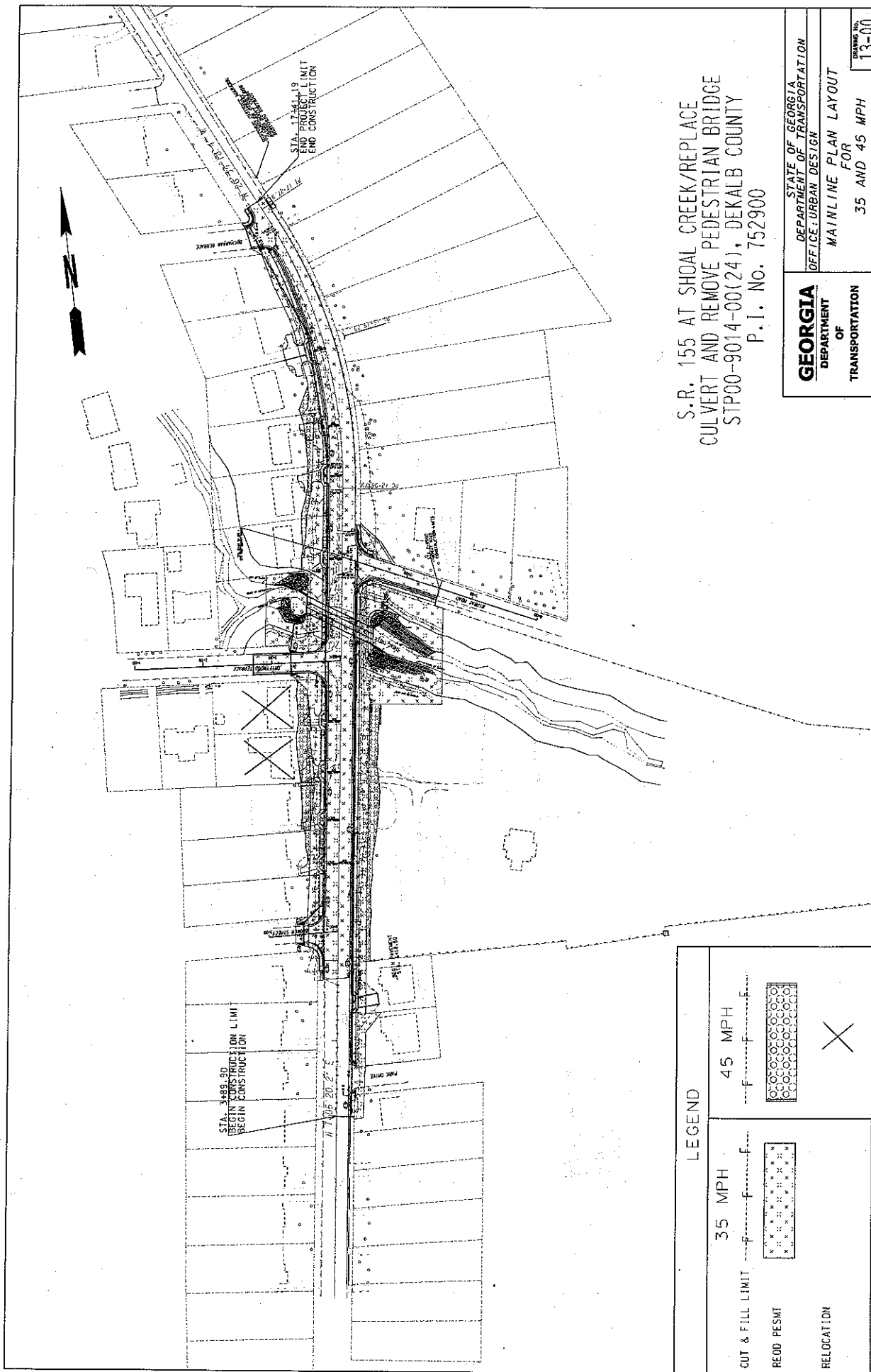
**REVISED: 12-8-06**





S.R. 155 AT SHOAL CREEK/REPLACE  
CULVERT AND REMOVE PEDESTRIAN BRIDGE  
STP00-9014-00(24), DEKALB COUNTY  
P.I. No. 752900

<div style="text-align: center;"> <b>GEORGIA</b>          DEPARTMENT          OF          TRANSPORTATION       </div>						REVISION DATES		STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF URBAN DESIGN	
								MAINLINE PLAN LAYOUT	
								DRAWING NO. <b>13-00</b>	



S.R. 155 AT SHOAL CREEK/REPLACE  
CULVERT AND REMOVE PEDESTRIAN BRIDGE  
STP00-9014-00(24), DEKALB COUNTY  
P.I. No. 752900

**GEORGIA**  
DEPARTMENT  
OF  
TRANSPORTATION

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE: URBAN DESIGN  
MAINLINE PLAN LAYOUT  
FOR  
35 AND 45 MPH

DRAWING NO.  
13-00

LEGEND

CUT & FILL LIMIT	35 MPH	45 MPH
RELOC. PERSNT		
RELOCATION		